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No. 21] NEW DELHI, SATURDAY, MAY 24, 1980 (JYAISTHA 3, 1902)

इस भाग में मिस्त्र पृष्ठ संख्या दी जाती है जिससे कि यह अस्त्र संकलन के रूप में रखा जा सके।

Separate Filing is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई वेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 24th May 1980

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

17th April 1980

445/Cal/80. K. H. Vahlbrauk. Heat-exchanger constructional components for building and/or installation purposes.

446/Cal/80. Dr. Ing. J. E. Stenberg, L. B. Stiblert and E. T. Sandstrom. Method and apparatus for studying surface properties.

447/Cal/80. Hylsa, S.A. Method of making sponge metal.

18th April 1980

448/Cal/80. IRD Mechanalysis, Inc. Digital Electronic balancing apparatus.

449/Cal/80. R. A. Knutson. Povidone-iodine and sugar.

450/Cal/80. The British Petroleum Company Limited. Separation for oil and gas, and separation process.

451/Cal/80. Optilon W. Erich Heilmann GMBH. Slide fastener.

452/Cal/80. Sredneaziatsky Nauchno-Issledovatelsky Institut Prirodnoogo Gaza. Method and apparatus for separating solid phase from drilling mud.

453/Cal/80. Sredneaziatsky Nauchno-Issledovatelsky Institut Prirodnoogo Gaza. Method for controlling the dispersing of solids in a liquid.

454/Cal/80. Maschinenfabrik Buckau R. Wolf A. G. Crystallizer for the treatment of a filler in the sugar industry.

19th April 1980

455/Cal/80. Kobe Steel, Ltd. Method for treating molten steel and apparatus therefor.

456/Cal/80. Tsentrainy Nauchno-Issledovatelsky Institut Kozhevenno-Obuvnoi Promyslennosti and Institut Khimii I Tekhnologii Redkikh Elementov I Mineralnogo Syrya Kol'skogo Filiala Akademii Nauk SSSR. Method for preparing titanium tanning agent and use thereof in leather tanning process.

21st April 1980

457/Cal/80. A. J. Seiler. Pump/exchanger device. (April 20, 1979).

458/Cal/80. Houseman (Burnham) Limited. Concentration of sugar solutions. (April 21, 1979).

459/Cal/80. Hylsa, S.A. Use of pre-reduced ore in a blast furnace.

460/Cal/80. General Electric Company. Self-aligning bearing.

22nd April 1980

461/Cal/80. Occidental Research Corporation. Concentrating alkali metal hydroxide in hybrid cells.

462/Cal/80. Ciba-Geigy A.G. Guanidine derivatives, processes for their preparation, pharmaceutical pre-

parations containing such compounds and the use thereof.

463/Cal/80. Siemens Aktiengesellschaft. Circuit arrangement for uninterrupted voltage change.

464/Cal/80. The Fertilizer (Planning & Development) India Ltd. A process for preparation of quick setting sealant.

465/Cal/80. The Fertilizer (Planning & Development) India Ltd. An improved process for the manufacture of di-calcium phosphate from rock phosphate.

23rd April, 1980

466/Cal/80. Lucas Industries Limited. Fuel injection system. (February 19, 1980).

467/Cal/80. Maschinenfabrik Rieter A.G. Method for controlling the working conditions in a processing machine of the staple fibre spinning plant and a apparatus for implementing the method. (April 23, 1979).

468/Cal/80. Giza S.p.A. A method for converting zootechnic liquid material into combustible gases, and fertilizing mud.

469/Cal/80. Giza S.p.A. A fermenter or reactor for zootechnic liquid materials.

470/Cal/80. U. Kejriwal. Improvements in/or relating to grinding media and a method for making the same.

471/Cal/80. U. Kejriwal. Improvements in/or relating to liners for grinding mills.

472/Cal/80. A. Arzi and Metal Works Ramat David. A method and apparatus for irrigation of fields by means of flexible hoses.

ALTERATION OF DATE

147666. }
454/Cal/78. } Ante-dated 16th November, 1976.

147686. }
432/Del/78 } Ante-dated 20th August, 1975.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 206D & E.

147665.

Int. Cl.-HO2m 5/00, HO 3k 7/06, HO 3b 19/00.

WIDE-BAND FREQUENCY MULTIPLIER WITH HIGH-EFFICIENCY.

Applicant : TAVKOZLES I KUTATO INTEZET, OF GABOR ARON UT 65, P.O. B. 15, 1525 BUDAPEST, HUNGARY.

Inventors : FERENC RAKOSI, LAJOS BUS, DR. TIBOR BERCELI AND ARPAD MROWCA.

Application No. 1162/Cal/77 filed July 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Wide-band frequency multiplier with high efficiency, which possesses input and output and contains at least one frequency multiplier diode, further in which an input filter possessing on the input frequency pass-band and on the output frequency or one or more multiple of the input frequency a stop-band; and output filter possessing on the output frequency a pass-band filter, on the input frequency and sometimes on the frequency less or more by its whole-number multiple a stop-band—is placed characterized in that the output filter is a waveguide filter,—securing an impedance transformation, the cavity resonator(s) of which coupling to the diode(s) contains at the link to the diodes a waveguide part of reduced height (less than the quarter of the waveguide wave-length the length of the latter waveguide part is smaller than the half of the wave-length being on the working frequency in the waveguide at the axis of the waveguide in the way of the output from the diodes; in the wide sidewall(s) of the waveguide of reduced height holes are formed, by which one outlet of the frequency multiplying diodes are electrical linked to the door not coupling to the input—of the input filter with impedance transforming kind, the other outlet of the diodes is linked to the one wide sidewall of the waveguide part of reduced height.

Comp. Specn. 21 Pages.

Drg. 5 Sheets.

CLASS 68E, & 69B & D.

147666.

Int. Cl.-HO 2j 1/00.

A SIGNAL PROCESSING CIRCUIT

Applicant & Inventor : DEOKI NANDAN SINGHANIA, OF 17, CAMAC STREET, CALCUTTA-700 017, INDIA.

Application No. 454/Cal/78 filed April 25, 1978.

Division of application No. 2050/Cal/76 filed November 16, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A signal processing circuit for actuating a load at a predetermined signal voltage comprising a blocking capacitor through which the signal is adapted to be supplied to the load means for supplying a direct current to the load and biasing means connected between the said means for supplying direct current and one terminal of the load for providing a bias voltage and a diode for allowing passage of signal current during alternate half cycles of the signal voltage for charging the blocking condenser, the charge on the condenser together with the signal voltage below the said predetermined value providing the necessary voltage for the actuation of the load.

Comp. Specn. 16 Pages.

Drg. 2 Sheets

CLASS 206E.

147667.

Int. Cl.-HO 11 15/02.

SOLAR CELL UNIT

Applicant : MOBIL TYCO SOLAR ENERGY CORPORATION, AT 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS USA.

Inventor : K. V. RAVI.

Application No. 450/Del/78 filed June 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A solar cell unit comprising a slightly curved substantially monocrystalline semi-conductor body with a radiation-receiving convex surface and a photo-voltaic junction which

is close to said convex surface and is capable of responding to radiant energy passing through said surface, and first and second electrodes carried by said body on opposite sides of said junction for coupling said unit to an external circuit.

Comp. Specn. 18 Pages.

Drg. 1 Sheet.

CLASS 156A & E.

147668.

Int. Cl.-FO 4b 47/00.

SUBSURFACE PUMPING INSTALLATION FOR HANDLING VISCOUS OR SAND-LADEN FLUIDS.

Applicant : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : WALTER SUTHERLAND SECRIST.

Application No. 37/Cal/77 filed January 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

In a subsurface pumping installation which includes parallel power and production tubing strings, a pump barrel at the lower end of said power tubing string, sucker rods extending down said power tubing string, a plunger movable up and down within said barrel, means connecting said plunger with said sucker rods, and a cross over affording communicating between said pump barrel and said production tubing string, said power tubing string being adapted to carry diluent from the surface into a well, said production tubing string being adapted to carry a mixture of well fluid and diluent to the surface, the improvement comprising :

a mixing chamber below said crossover for receiving well fluid;

suction and discharge valves between said mixing chamber and said production tubing string;

said plunger having a bore through which a portion of the diluent is conducted to the pump barrel below said plunger to exclude well fluid therefrom; and

bypass means through which another portion of the diluent is conducted to said mixing chamber to blend with well fluid therein.

Comp. Specn. 16 Pages.

Drg. 5 Sheets.

CLASS 127G.

147669.

Int. Cl.-F16h 1/38.

DIFFERENTIAL MECHANISM FOR A VEHICLE DRIVE.

Applicant : DANA CORPORATION, OF 4500 Door street, Toledo, OHIO, United States of America.

Inventor : CARL DAVID OSENBAUGH.

Application No. 763/Cal/77 filed May 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A differential mechanism for a vehicle drive, said mechanism comprising in combination :

(a) a hollow revolving casing consisting of two identical half-casings, each of said half-casings having a body which consists of :

- (1) a central portion that defines a space for a pair of differential pinions and a pair of differential gears that is generated around the center line of oppositely extending vehicle half-axles and that has a semi-cylindrical exterior,
- (2) a tubular half-trunnion extending co-axially with and at each end of said central portion,
- (3) a radial aperture at the pole of said central position, and

(4) a semi-annular ring gear mounting flange on the exterior of said half-casing adjacent the semi-cylindrical portion thereof;

(b) a differential pinion mounting pin extending across the center line of the half-axles with its ends protruding into said radial polar apertures of said half-casings when said casing is assembled,

(c) a pair of differential pinions on said mounting pin,

(d) a pair of differential gears meshed with said pin, interiorly of said assembled casing co-axially with said half-trunnions;

(e) a pair of trunnion bearings each circumjacent a trunnion formed by said half-trunnions when said casing is assembled;

(f) a ring gear closely circumjacent the cylindrical exterior of the assembled casing formed by said semi-cylindrical exteriors and drivingly connected to said mounting flange, whereby said two half-casings are held in assembled relationship by said trunnion bearings and said ring gear.

Comp. Specn. 13 Pages.

Drg. 2 Sheets.

CLASS 76H & 143D& 181.

Int. Cl.-B65d 53/02, F16j 15/34.

147670.

CONTAINER DOOR SEAL.

Applicant : SCHLEGEL (UK) LIMITED, OF RING ROAD, SEACROFT, LEEDS LS 14 1LY, ENGLAND.

Inventors : JOHN OAKLEY AND DERRICK RUFFELL.

Application No. 772/Cal/77 filed May 24, 1977.

Convention date May 12, 1977/(1990/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A three part container door seal construction comprising a first resiliently deformable portion of a predetermined, generally channel sectioned shape for application to the edge portion of a container door so that when fitted to the door it will form a seal with said edge portions to preclude the passage of moisture to the door edges, a second portion having a base for connection to the first portion and at least one resiliently deformable sealing arm upstanding from an edge portion of said base for sealing engagement with a portion of the container around the door opening, first interengaging means for releasably securing the base of the second portion of said first portion and a second interengaging means comprising a third portion to connect said first and second portions together.

Comp. Specn. 13 Pages.

Drg. 2 Sheets.

CLASS—195 C.

147671

Int. Cl. F 16 k 3/14

A PNEUMATIC BUS BAR.

Applicant & *Inventor* : ASOKRAJ KANDASWAMI PRABAKARAN, C/O. CREATIVE ENGINEERS (MADRAS), 58 ELLIOT BEACH ROAD, ADYAR, MADRAS-600 020, TAMIL NADU.

Application No. 160/Mas/77 filed October 1, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A pneumatic bus bar comprising a valve assembly of a plurality of spaced normally closed valves, each of which opens on actuation; a source of pressurised air in communication with the inlet end of each of the valves; and at least one travelling chamber movable against each valve to actuate it and, simultaneously, to communicate with its outlet end, so as to receive a continuous or uninterrupted supply of pressurised air, from the source for being tapped therefrom.

(Com.—9 pages; Drg. 1 sheet).

CLASS : 32a1+144 E6.

147672.

Int. Cl. C09 b 45/06.

PROCESS FOR THE MANUFACTURE OF CHROMIUM COMPLEXES OF MONOAZO DYESTUFFS.

Applicant: COLOUR-CHEM LIMITED, RAVINDRA ANNEXE, DINSHAW VACHHA ROAD, 194, CHURCH-GATE RECLAMATION, BOMBAY 400 020, MAHARASHTRA, INDIA.

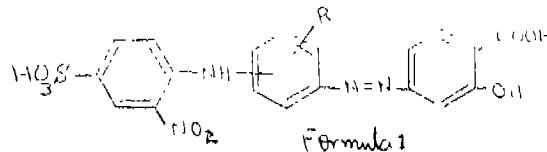
Inventor: Dr. DAYANAND SACHIDANAND RAO.

Application No. 352/BOM/1977 filed December 20, 1977.

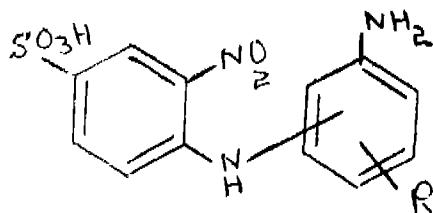
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A process for manufacture of chromium complexes of the monoazo dyestuffs of the general formula (i).



Represents a hydrogen atom, or a chlorine or a bromine atom or a methyl or ethyl or methoxy or ethoxy group or a sulphonate or a carboxylic acid group, which comprises coupling in a known manner the diazonium compounds obtainable from 2'-nitro-4'-sulphophenylaminoaniline derivatives represented by the general formula (2).



Formula 2

in which R has the meaning defined above, with salicylic acid, in a known manner followed by a treatment of the resulting monoazo dyestuffs of the formula (1) of the drawings with chromium-yielding agents as herein described.

Complete specification—14 pages Drawings—3 sheets.

CLASS 32A.

147673.

Int. Cl. C09b 31/00.

A PROCESS FOR THE MANUFACTURE OF NEW DISAZO DYESTUFFS.

Applicant: COLOUR CHEM LIMITED, RAVINDRA ANNEXE, DINSHAW VACHHA ROAD, 194, CHURCH-GATE RECLAMATION, BOMBAY 400 020, MAHARASHTRA, INDIA.

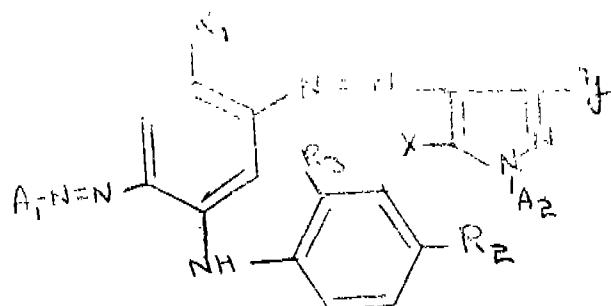
Inventor: DR. DAYANAND SACHINANAND RAO.

Application No. 353/BOM/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

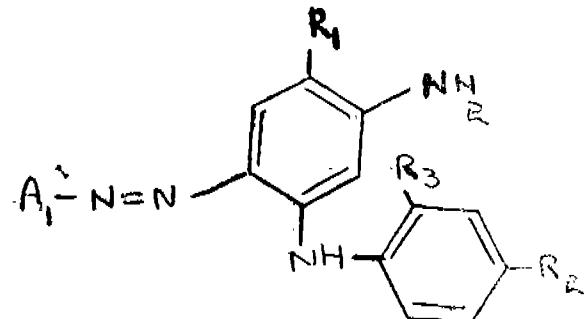
3 Claims.

A process for the manufacture of new disazo dyestuffs represented by the general formula (1).



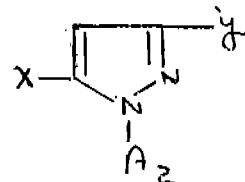
Formula 1

wherein A₁, A₂ stands for phenyl or naphthyl radicals which may be further substituted by chlorine or bromine atoms or by nitro, hydroxyl, acetylarnino, cyano, ureido, methyl, ethyl, methoxy, ethoxy, carboxyl, or sulphonate acid groups; Y is a hydrogen atom or a methyl or ethyl, carbomethoxy or carbethoxy or carboxylic acid group; X is a hydroxy or amino group; R₁ represents a hydrogen atom, a chlorine or bromine atom, a methyl or ethyl or methoxy or ethoxy group or a sulphonate or a carboxylic acid group, and R₂, R₃ represents nitro or sulphonate acid groups in such a manner that when one of them represents a nitro group the other represents a sulphonate acid groups, which comprises coupling in a known manner one molecular proportion of a diazotised compound obtainable from aniline having the general formula (2).



Formula 2

wherein A₁, R₁, R₂ and R₃ have the meanings defined above, with one molecular proportion of a coupling component of the general formula (3).



Formula 3

wherein X, Y and A₂ have the meanings defined above, in an aqueous medium, at pH value between 4.5. and 8.0.

Comp. Specn. 14 Pages.

Drg. 3 Sheets.

CLASS 32A. & 144E.

147674.

Int. Cl. C09b 45/08.

PROCESS FOR THE MANUFACTURE OF COPPER COMPLEXES OF DISAZO DYESTUFFS.

Applicant: COLOUR-CHEM LIMITED, RAVINDRA ANNEXE, DINSHAW VACHHA ROAD, 194, CHURCH-

GATE RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

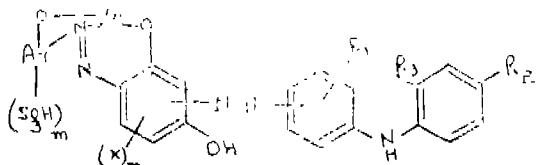
Inventor : DR. DAYANAND SACHIDANAND RAO.

Application No. 354/Bom/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A process for the manufacture of copper complexes of disazo dyestuffs represented by the general formula (1).

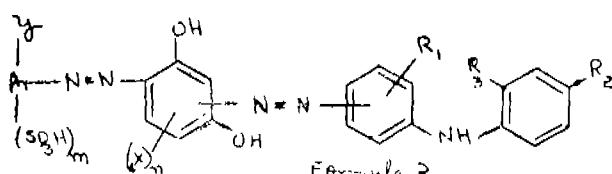


Formula 1

wherein

Ar represents a naphthalene nucleus; X represents a methyl, or carboxylic acid or sulphonic acid group; R₁ represents a methyl, ethyl, methoxy, ethoxy, carboxylic or sulphonic acid group of a chlorine or bromine atom, or a hydrogen atom; R₂, R₃ represent either nitro or sulphonic acid groups in such a manner that when one of them represents a nitro group the other represents a sulphonic acid group; m stands for an integer 1 to 3, and n represents 0 or 1;

which comprises reacting in a known manner the disazo dyestuffs represented by the general formula (2).



Formula 2

in which Ar, X, R₁, R₂, R₃, m and n are defined as above and Y standing in ortho position to the azo group in the naphthalene nucleus represents a hydrogen atom, with a copper yielding agent as herein described in presence of hydrogen peroxide at a pH-value ranging between 3.5 to 6 at a temperature in the range from 20° to 60°C.

Comp. Specn. 17 Pages.

Drg. 4 Sheets.

CLASS 28G & 180.

147675.

Int. Cl.-B24c 5/04; 5/18

IMPROVEMENTS IN OR RELATING TO STOVES.

Applicant & Inventor : ERODHULA KRISHNAVENI, 13-2, BHUJANGAROPET, VISHAKHAPATNAM-530 002, ANDHRA PRADESH, INDIA.

Application No. 49/Mas/79 filed April 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims

An improved stove comprising a fuel container and a fuel burner section, the said fuel burner section comprising an evaporator, a mantle encircling the said evaporator, an outer jacket coaxially disposed around the said mantle, a further jacket also coaxially disposed around the said outer jacket and means, such as a valve, for controlling the flow of fuel from the said fuel container to the burner section and a preheating means such as a wick or the like which is wetted by the said fuel to give an initial heating to the evaporator and the circumferentially disposed jackets.

Comp. Specn. 12 Pages.

Drgs 4 Sheets.

CLASS 32 F.

147676.

Int. Cl.-C07c 87/00.

A METHOD OF PREPARATION OF BROMINATED NITROANILINES.

Applicant : RATHI DYES CHEM INDUSTRIES PRIVATE LIMITED 27, SHANKERSHET ROAD, POONA-411 009 MAHARASHTRA INDIA.

Inventor : NARASJNHA VENKATESH BADAMI.

Application No. 184/Bom/78, filed June 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

1. A process for the nuclear bromination of nitroanilines and substituted nitroanilines comprising passing chlorine gas to a suspension of the said nitroanilines in aqueous sodium bromide.

Comp. Specn. 5 Pages.

Drawing sheet one.

CLASS 68A.

147677.

Int. Cl.-H02j 7/00.

ELECTROMAGNETICALLY COUPLED BATTERY CHARGER.

Applicant : KOEHLER MANUFACTURING CO., OF 123 FELTON STREET, MARLBOROUGH, MASSACHUSETTS 01752, UNITED STATES OF AMERICA.

Inventor : JOHN EDMUND TROMBLY.

Application No. 1965/Cal/76 filed October 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A battery charger comprising :

* first electromagnetic assembly for electromagnetic coupling to a battery to be charged and having a drive winding for generating a charging field and a sense winding for sensing the state of charge of a battery coupled to said first assembly, a charging circuit for generating charging current and operative to energise said drive winding to provide an alternating charging field; a control circuit connected to said sense winding and to said charging circuit and operative in response to a signal from said sense winding to control the charging circuit; a second electromagnetic assembly connectable to a battery to be charged and adapted for electromagnetic coupling to said first assembly; and means operative in response to the presence of said second assembly in coupling relationship with said first assembly to enable full power operation of said charging circuit, including : a proximity winding operative to provide a signal upon coupling of said second assembly with said first assembly and means operative in response to said proximity winding signal to provide an enabling signal to the control circuit to cause full power operation of said charging circuit.

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

CLASS 33A.

147678.

Int. Cl.-B22d 45/00.

A MACHINE FOR CASTING SEMI-FINISHED PRODUCTS.

Applicant : CEGEDUR SOCIETE DE TRANSFORMATION DE 1' ALUMINIUM PECHINEY, OF 66, AVENUE MARCEAU, PARIS 80, FRANCE AND SOCIETE DE VENTE DE 1' ALUMINIUM PECHINEY, OF CENTRE DE RECHERCHES DE VOREPPE, ROUTE NATIONALE 85, 38340 VOREPPE, FRANCE.

Inventors : LOUIS CIMETIERE AND RICHARD GONDA.

Application No. 1148/Cal/77 filed July 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A machine for casting semi-finished products such as blanks for machine wire or sheet billets for bands of metal alloys, comprising :

(a) a casting wheel rotating about its axis and provided over its circumference with a groove of which part, covered by a band, forms with this band rotating at the same linear speed as the circumference of the wheel an ingot mould for receiving the molten metal,

(b) an assembly of auxiliary wheels intended to return the band to the casting position, wherein the band is made of a metal which is a better conductor than steel, such as copper, wherein it is subjected to little or no tensile stressing and wherein it is applied to the casting wheel by two parallel steel bands placed under tension by the auxiliary wheels and bearing on the lateral part of the copper band resting on the sides of the groove.

Comp. Specn. 11 Pages.

Drg. 4 Sheets.

CLASS 65B.

147679.

Int. Cl. F01d 29/00.

ON-LOAD TAP CHANGER FOR TRANSFORMERS.

Applicant : ASEA AKTIEBOLAG, OF VASTERAS, SWEDEN.

Inventor : KARL-ERIK HAMMAR.

Application No. 258/Del/77 filed September 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims

On-load transformer tap changer comprising a diverter switch, a step selector, which is operated by way of two shafts which are rotatable in steps in relation to each other, a plus/minus or coarse/fine switch, and a damping resistor switch for briefly switching in a damping resistor during a plus/minus or a coarse/fine switching operation, respectively, a characterized in that the damping resistor switch comprises an operating means including a cam member which is fixedly mounted on one of the drive shafts of the step selector.

Comp. Specn. 6 Pages.

Drg. 2 Sheets.

CLASS 101F.

147680.

Int. Cl. F161 37/26, 19/02, 17/00.

LATERALLY ENGAGEABLE FLOWLINE CONNECTOR DEVICE.

Applicant : SOCIETE NATIONALE ELF AQUITAINE (PRODUCTION), OF TOUR AQUITAINE, 92400 COURBEVOIE, FRANCE.

Inventors : GEORGES MICHEL CHATEAU AND PRAFUL DESAI.

Application No. 422/Del/77 filed November 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims

In a flowline connector device for a flowline wherein a connector means is laterally engaged and a seal is provided between axially related connector means, the combination of :

a first connector means adapted to be secured to the end of the flowline, said connector means having a sealing surface;

a second connector means adapted to be secured to a subsea installation, said second connector means having a sealing surface;

means on said connector means for interengagement of said connector means by movement of one connector means in a lateral direction to bring said sealing surfaces into juxtaposition and said connector means into axial alignment;

and fluid actuated piston and cylinder means on one of said connector means for moving one of said sealing surfaces into pressure sealed engagement with the other sealing surface.

Comp. Specn. 16 Pages.

Drg. 3 Sheets.

CLASS 190B.

147681.

Int. Cl. F01d 1/00

HIGH PRESSURE AND INTERMEDIATE PRESSURE STEAM TURBINE CYLINDER DESIGN.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, OF 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DEVALRAJU SREE MAHA VISHNU, SHAIK RAHAMATULLA AND KUSUMBA MURALI MANOHAR RAO.

Application No. 503/Del/77 filed December 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims

A steam turbine in which the high pressure casing comprises an outer cylinder and an inner cylinder, the inner cylinder comprising an inner shell and an outer shell welded together to form an integral unit, the inner shell supporting diaphragms of the first few high pressure stages, the outer shell supporting the diaphragms of the subsequent high pressure stages, a gap being provided between the said two shells to allow steam after its expansion in the inner shell to occupy the annular space between the said two shells for effecting equal distribution of the pressure drop between the said two shells and the said outer cylinder.

Comp. Specn. 10 Pages.

Drg. 3 Sheets.

CLASS 32F& 40F.

147682.

Int. Cl. C07c 65/00, 69/00, B01j 1/00.

METHOD FOR THE PRODUCTION OF A MIXTURE OF BENZYL ALCOHOL AND AN ALKALINE METAL BENZOATE SALT.

Applicant : STAMICARBON B. V., OF GELEEN, THE NETHERLANDS, P.O. BOX 10.

Inventor : CORNELIS JONGSMA.

Application No. 5/Del/78 filed January 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims. No drawings.

Method for the production of a mixture of benzyl alcohol and an alkaline metal benzoate salt from a tar containing benzyl benzoate, characterised in that the tar is subjected to a hydrolysis reaction in the presence of an alkaline metal compound in order to obtain said mixture of benzyl alcohol and alkaline metal benzoate salt.

Comp. Specn. 9 Pages.

Drgs. Nil.

CLASS 89.

147683.

Int. Cl. G01l 1/00.

A DEVICE FOR MEASURING TENSILE AND/OR COMPRESSIVE STRESS OF MATERIALS.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventor : DR. GANAPATHY VENKATARAMAN.

Application No. 64/Del/78 filed January 23, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A device for measuring tensile and/or compressive stress of materials comprising a split ring of predetermined diameter formed of a test piece of the material to be tested, reaction joints formed on opposite sides of the gap in the ring by securing metal pads to the ring by means of bolts and nuts, an upright member extending from each of the said pads and having co-axial threaded holes formed therein, a completely threaded bolt passed through the said holes and a nut on the bolt on each of the opposite sides of each upright member

and adapted to increase or decrease the said gap and a micro-strain guage pasted on the outside of the ring opposite the said gap and connected to a digital strain meter.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 68E₁ & E₄.

147684.

Int. Cl.-F21l 1/00.

I LIGHTNING ARRESTOR.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, OF ANSAL BHAWAN, 18-20 KASTURBA GANDHI MARG, NEW DELHI-110 008, INDIA.

Inventor : NANDURI VIDYARDHI.

Application No. 110/Del/78 filed February 10, 1978.

Complete Specification left March 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A lightning arrester operating under high vacuum conditions comprising a first and second electrode made of any suitable conducting material or alloy and spaced from each other, said first electrode being earthed, said second electrode adapted to be connected to a high voltage source, a trigger electrode adapted to be disposed in the vicinity of one of said electrodes, said electrodes being encapsulated under high vacuum conditions, said trigger electrode connected to said voltage source through a switching circuit, to discharge currents from the high voltage circuits under protection or operation as desired or at the occurrence of the over voltages.

Prov. Specn. 6 Pages. Comp. Specn. 8 Pages. Drg. 1 Sheet

CLASS 129G.

147685.

Int. Cl.-C23g 1/08.

METHOD FOR PICKLING STAINLESS STEEL.

Applicant : TOKAI DENKA KOGYO KABUSHIKI KAI-SHA, AT ROOM 428 OHTEMACHI BUILDING, 6-1, 1-CHOME, OHTEMACHI, CHIYODA-KU, TOKYO, JAPAN.

Inventor : KATSUTOSHI ITANI.

Application No. 418/Del/78 filed June 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

Method of pickling stainless steel using a ferric sulfate-hydrofluoric acid bath wherein the concentration of ferric sulfate is held in a constant range by the addition of hydrogen peroxide and sulfuric acid to the bath to oxidize ferrous sulfate back to ferric sulfate, the ferrous sulfate being formed by reduction of the ferric sulfate during said pickling characterized in that measurement of the oxidation reduction potential of the pickling bath is made, and whenever said measurement indicates that the ferric sulfate concentration has been reduced outside said range, the addition of hydrogen peroxide and sulfuric acid is made in an amount sufficient to restore the ferric sulfate concentration to within said range.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS 33A.

147686.

Int. Cl.-B22d 11/14.

APPARATUS FOR LOCATING IMPROPERLY POSITIONED ROLLS IN A CURVED ROLL-RACK.

Applicant : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : MICHAEL GEORGE GONOS, KENNETH DUAINE IVES AND RONALD STEVEN VRANKA.

Application No. 432/Del/78 filed June 12, 1978.

Division of Application No. 1622/Cal/75 filed August 20, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

An apparatus for locating improperly positioned rolls in a curved roll-rack in which the rolls are arranged in opposed pairs and have work-engaging faces lying on arcs of pre-determined radii, said apparatus comprising a housing movable through the roll-rack, guide means on said housing adapted to about two adjacent rolls and lie on a line tangent to the work-engaging faces thereof, and angle-measuring means in said housing for indicating the angle at which said guide means lies and thereby indicating whether the work-engaging face of each roll lies on an arc of the intended radius.

Comp. Specn. 14 Pages.

Drgs. 3 Sheets.

CLASS 32E & 136E.

147687.

Int. Cl.-C08f 1/00.

POLYMERIZATION PROCESS FOR PRODUCTION OF POLYCARBONAMIDE FOR VARIED END USES.

Applicant : SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J. K. SYNTHETICS LTD., JAYKAY NAGAR, KOTA-324003, RAJASTHAN, INDIA.

Inventors : JUGAL KISHORE SHARMA AND DR. RAMESH CHAND KAPOOR.

Application No. 527/Del/77 filed December 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims. No drawings.

A process of manufacturing extruded polycarbonamide comprising of the following steps :

(i) Caprolactam and water are reacted in an autoclave without any stains terminator, the quantity of water used is as small as possible, to develop a gauge pressure of 2-3 kg/cm² during polymerisation reaction, wherein during the polymerisation reaction water is removed and the rate of removal of water is rigidly controlled taking 3-4 hours to remove approximately half the quantity of water added and the final removal of water is done by bubbling an inert gas as defined hereinafter through the polymerising mass;

(ii) terminating the said reaction by subjecting the polymerized mass to a pressure of 7-8 kg/cm², whereby a stable polymer of relative viscosity (of 1% solution in 96% sulphuric acid determined conventionally) from 2.0 to 5.0 is obtained;

(iii) the polymer so obtained is extruded, in the form of ribbons, cut into chips, extracted with hot water to remove moisture to produce polycarbonamide chips which are used to produce yarn or film by melt-extrusion technique.

Comp. Specn. 10 Pages.

Drgs. Nil.

SURRENDER OF PATENTS

(SECTION 63)

A notice of offer to surrender the Patents Nos. 111940, 116853 and 114820 has been given by the Patentee UCB S.A. of Belgium on the 18th January, 1980 under Section 63 of the Patents Act, 1970.

As per Rule 71(3) of the Patents Rules, 1972 any person interested may within three months from the date of this Gazette of India give notice of Opposition to the said surrender of Patents.

OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. M. P. Kinariwala Private Limited to the grant of a patent on application No. 147077 made by Chittranjan Gordhandas Jani.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge

Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

126854 126969 127197 127751 127852 128226 128361 128362
128406 128463 128604 128875 129309 129495 129596 129597
129710 129780 129806 129885 130043 130088 130267 132725
134517 134630

(2)

92317 93409 94242 99846 103328 112343 115849 120441
121039 121683 127245 129486 136181 136193

(3)

84680 84682 84683 84684 90561 93428 96624 106868 108367
107244 114896 115991 117903 121321 124020 135178

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81072 107987 128440 133175

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87937 121510 126248

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PATENT SEALED

142162 142680 143755 143760 143844 144300 144500 144552
145590 145965 146582 146583 146584 146590 146592 146604
146740 146774 146820.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the

following cases. The number of each case is followed by the names of the parties claiming interests :—

124847 Maris Doanides nee Caranica.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

139192 (13-12-72) Process for recovery of lactam.
139205 (18-7-73) Process for hydrogenating diolefinic hydrocarbons to mono olefinic hydrocarbons.
139206 (6-8-73) Process for the production of hydrogen rich gas from carbon monoxide and hydrogen containing gas.
139208 (19-3-74) Purification of a solution of urea.
139211 (26-4-72) Process for the manufacture of new poly-iodoestuff.
139216 (28-2-73) Process for producing aluminium chlorohydroxides.
139265 (23-11-73) Preparation of W-pentanor prostaglandin.
139278 (17-9-73) A process for production of a new anti-viral substance.
139280 (27-6-74) Process for forming organic pigments with the aid of an inorganic or organic salt and an organic or inorganic solvent.
139301 (26-3-73) A process for production of sponge iron.
139307 (14-10-74) Process for the preparation of 4-aminodiphenylamine.
139310 (2-7-73) Process for preparing urea.

LIST NO. VIII

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following Patents in the field of Chemical Engineering are not being worked commercially in India as admitted by the patentees in the statement filed by them under Sec. 146(2) of the Patents Act, 1970, in respect of Calender year 1978, generally on account of want of requests for licences to work the patented inventions.

The persons who are interested to work commercially the said patents may contact the patentees for the grant of licences for the above purpose.

S. No.	Patent No.	Date	Name of Patentees	Title of the invention
1	2	3	4	5
1	141433	04-07-1973	GENERAL ELECTRIC CO., 1 River Road, Schenectady-5, New York, U.S.A.	Abrasive bodies of finely divided cubic boron nitride crystal.
2	141442	03-01-1974	HOECHST A.G., 6230, Frankfurt/ Main 80, F.R.G.	Process for compressing Ketene.
3	141443	16-01-1974	Do. Do.	Treating Crude azo pigments.
4	141445	26-02-1974	TERMS RIVER CHEMICAL CORP. Toms River, New Jersey, U.S.A.	Vat dyestuffs from aminoanthraqui- none derivatives.
5	141450	19-02-1975	MEIJI SEIKA KAISHA LTD., 8-2 Chome, Kyobashi, Chuo-ku, Tokyo, Japan.	Production of Cephem compounds.
6	141452	23-07-1975	Do. Do.	Preparation of 3" 4" triacylester of antibiotic SF-83 FM substance.
7	141454	20-11-1973	ANIC S.p.A., Via Mariano, Stabile, 216, Palermo, Italy.	Polymerising unsaturated compounds.
8	41462	20-06-1974	RHONE-PROGILE 25 Qui Paul Doumer 92408, Courbevoie France.	Bulk polymerization of vinyl chloride.

1	2	3	4	5
9	141465	03-05-1974	GLOBE UNION INC., 5757, North Green Bay Avenue, Wisconsin, U.S.A.,	Processing moulding. plastic used in injection
10	141471	12-12-1974	RCA CORPORATION 30 Rockefeller Plaza, New York 10020, U.S.A	Method of vapour deposition.
11	141473	11-03-1975	WILHELM HEGIER, Geothestrasse 2, 873, Badkissingen, F.R.G.	Production of double walled synthetic, plastic tubes.
12	141487	03-11-1973	CIBA-GEIGY A.G., Klybeckstrasse 141, Basle, Switzerland.	Fibre-reactive dyestuffs.
13	141491	03-05-1975	C.S.I.R., Rafi Marg, New Delhi, India.	Calcium phosphate for fluorescent tube lights.
14	141493	04-05-1974	PELLTEC S.A., Piazza, Celleqiata, Switzerland.	Pellets from melttable glass mixtures.
15	141502	29-07-1975	CHÉMIE LINZ A.G., St. Peter Strasse 25, 4020, Linz, Austria.	Preparation of melon.
16	141508	08-08-1975	C.S.I.R., New Delhi, India.	Synthesis of Aryloxy alkylamines with hypertensive alpha adrenoceptor blocking and anti-inflammatory proteins.
17	141524	19-12-1974	MIDREX CORPORATION, One NCNB Plaza, Charlotte, North carolina-28280, U.S.A.	Continuous passivation of sponge iron particles
18	141530	03-12-1974	HOECHST A.G., Frankfurt/Main-FRG.	Hydroxypyridine carbamate.
19	141539	07-08-1975	CIBA GEIGY OF INDIA LIMITED, AAREY ROAD, Goregaon East, Bombay-62, M.S., India.	Manufacture of New Pyridazines and acid addition salts.
20	141543	26-08-1974	CINCINNATI MILACRON CHEMICALS INC., Reading State of Ohio, U.S.A.	Producing dimethyltin Dichloride.
21	141603	12-02-1975	(1) INSTITUT FRANCAIS DU HETROLE, 4, Avenue de Bois-Preau, 92502, Rueil-Malmaison, France.	Device for concentrating dilute suspension.
22	141610	01-03-1975	AMERICAN HOME PRODUCTS CORPN., 683, Third Avenue, N.Y. 10017, New York, U.S.A.	Preparation of benzobicycloalkene amines.
23	141615	19-09-1974	HOECHST A.G., Frankfurt/Main, F.R.G.	Preparation of Monoazo pigments.
24	141617	22-11-1974	MERCK PATENT GESELLSCHAFT, Darmstadt, Frankfurterstrasse 250, F.R.G.	Preparation of 2-acyl-4-oxo pyrazino isoquinolines.
25	141681	22-11-1974	Do.	Do.
26	141620	26-08-1975	PREROVSKÉ STROJIRNY NARODNÍ PODNIK PREROV, Czechoslovakia.	Apparatus for preheating and calcination of granules and piece materials.
27	141623	07-08-1975	HINDUSTAN LEVER LTD., Hindustan Lever House, 163/166, Backbay Reclamation, Bombay-20, M.S. India.	Detoxifying nutrient plant material containing saponins.
28	141640	19-03-1974	FUJI PHOTO FILM CO. LTD., No. 210, Nakamura Minami-Ashigara-shi, Kanagawa, Japan.	Colour photographic material.
29	141641	12-06-1974	GREAT LAKES CARBON CORPN., 299, Park Avenue, New York, U.S.A.	Apparatus for cooling and dedusting hot particulate material.
30	141642	14-06-1974	ASAHI KASEI KOGYO, 25-1, 1-chome, Dojima-Tamadori, Ketaku, Osaka, Japan.	Continuously heat treating fibrous materials under pressure
31	141657	06-02-1974	C.S.I.R., Rafi Marg, New Delhi, India.	Production of zinc dust.
32	141672	13-08-1975	THE LUBRIZOL CORPN., P.B. No. 17100, Euclid station cleveland, Ohio, 441177, U.S.A.	Phosphorous sulphur containing amides and thioamides.

1	2	3	4	5
33	141682	16-01-1974	HOECHST A.G., Frankfurt/Main., F.R.G.	Transforming disazo pigment into physical form.
34	141683	16-01-1974	Do.	Do.
35	141684	16-01-1974	Do.	Do.
36	141695	04-06-1974	SACHS SYSTEMTECHNIC GmbH., Johann Georg, Gadomannstrasse, 13, Schweinfurt/Main, F.R.G.	Apparatus for disinfecting liquids by anodic oxidation with a silver anode.
37	411713	19-01-1976	PREROVSKE STROJIRNY NARODNI PODNIK, Prerov, Czechoslovakia.	Cooling granulous material through gaseous countercurrent heat exchange system.
38	141717	15-07-1976	AIKOH CO. LTD., 1-39, 2-Chome, Ikanohata, Taito-ku, Japan.	Desulfurization of molten iron.
39	141419	29-07-1975	CHEMIELINZ A.G. St. Peter strasse, Linz, Austria.	Preparation of melon.
40	141722	04-06-1974	SACHS-SYSTEMTECHNIC GMBH, Schweinfurt/Main, FRG.	Apparatus for disinfection of liquids by anodic oxidation and presiding reduction.
41	141733	04-03-1974	D.E.G.U.S.A., 9 Weiss, Frauenstrasse, Frankfurt/Main FRG	Regeneration of nitriling and carbonising salt boths.
42	141742	12-06-1975	HOECHST A.G., Frankfurt/Main, F.R.G.	Purification of phosphoric acid.
43	141746	05-05-1976	MCNEIL LABORATORIES, INC., Camp Hill Road, Fort Washington, Pennsylvania, U.S.A.	1, Alkyl pyrrole-2-acetic acid derivatives.
44	141748	16-07-1976	CADBURY LIMITED, Bournville, Birmingham, England.	Manufacturing edible composition.
45	141813	01-08-1974	AMERICAN CYANAMID CO., Wayne, New Jersey, U.S.A.	Preparing pyrazolium Compounds having herbicidal effects.
46	141818	23-07-1973	PFIZER INC., 235, East 442nd Street, New York, U.S.A.	Preparing 6-2-(amidino-and imido- amino) alkaloylamine) arcylamino penicillin acid.
47	141820	01-09-1975	Do.	Production of carboxamides of oxo-1, 2 benzothiazine, 1, 1-dioxides.
48	141827	12-08-1976	ELI LILLY CO., 307 east Mc Cart Street, Indianapolis, U.S.A.	Preparing N-alkyldiphenylamine.
49	141830	13-01-1975	HINDUSTAN LEVER LIMITED, Bombay, India.	Hair dying composition.
50	141844	11-04-1974	RCA CORPN., Rockefeller Plaza, New York, U.S.A.	Two stage method of depositing epitaxial crystalline layer of silicon on heat crystalline substrates.
51	141845	22-08-1974	ENGELHARD MINERALS & CHEMICALS 430, Mountain Avenue, Murray Hill, New Jersey, U.S.A.	Treating gases.
52	141846	16-11-1974	EXXON RESEARCH & ENGINEERING CO., Linden New Jersey, U.S.A.	Conversion of carbon monoxide and steam to hydrogen and carbon dioxide.
53	141858	09-07-1975	HOECHST A.G., Frankfurt/Main, F.R.G.	Preparing thiazolocompounds.
54	141871	02-06-1975	THE DIRECTOR, All India Institute of Medical Sciences, Ansari Nagar, New Delhi, India.	Preparation of antigenado tropin antibody preparation.
55	141886	06-03-1974	NORSK HYDRO A.S., Bygdo Alle 2, Oslo, 2 Norway.	Conversion of melt or hot solution into solid pills.
56	141896	08-08-1974	METALLGESELLSCHAFT, 16, Frankfurt, A.M. Reuterwag 14, West Germany.	Drying particulate minerals for agglomeration.
57	141903	20-10-1975	INDIAN DRUGS AND PHARMACEUTICALS LIMITED, N-12, South Extension, New Delhi, India.	Preparingu-4 (Heteroarylvinyl) Coumarins.

1	2	3	4	5
58	141915	09-05-1974	HOECHST A.G., Frankfurt/Main, F.R.G.,	Preparing 5-oxo-carboxylic acid esters.
59	141919	06-10-1975	NUCHEM PLASTICS LTD., 20/6 Milestone, Mathura Road, Faridabad, Haryana, India.	Manufacturing ureaformaldehyde resins.
60	141929	01-10-1975	PFIZER INC., New York, U.S.A.	Preparing antibiotic substances comprising compounds 35763, 36926, 37277, and 37932 or antibiotic mixtures.
61	141930	22-04-1974	TEXACO DEUL CORPN, 135 East Street, New York.	Methane rich gas stream.
62	141939	03-11-1975	NUCHEM PLASTICS LTD., Faridabad, Haryana, India.	Preparing antipyrin.
63	141941	08-08-1975	C.S.I.R., New Delhi, India.	Synthesis of antifilarial, 1-substituted carbomethyl piperazine.
64	141970	02-12-1974	AGROTECHNIKA N.P., Zvolen, Czechoslovakia.	Reactor for biological water treatment.
65	141981	28-04-1975	TOYAMA CHEMICAL CO. LTD., 1-18, Kayabacho, Nibonbashi, Chuo-ku, Tokyo, Japan.	Novel penicillins and cephalosporins.
66	141982	17-09-1975	PFIZER INC., New York, U.S.A.	Preparing carboxamides of oxo-1, 2-benzo thiazine 1-1, dioxides.
67	141985	17-06-1975	C.S.I.R., Rafi Marg, New Delhi.	Producing hard wax, soft wax and resins from sulphitation preamuds from sugar Industry.
68	141990	30-04-1975	MITSUI TOATSU CHEMICALS/NC., 2-3, 3-Chome Kasumigasaki, Chiyoda-Ku, Tokyo, Japan.	Colouring textile material with asymmetric thio-indigoid compounds.
69	141999	03-09-1974	C.S.I.R., New Delhi, India.	Synthesis of substituted 3'-nitro-4', amino benzanitriles.
70	142000	07-12-1973	SEKISUI KASEIHIN KOGKY K.K., No. 1-25 Minamikyobatecho, Narash, Nara, Japan.	Producing receptacles from thermoplastic resin from sheet.
71	142002	05-08-1973	PFIZER CORPORATION, Calle 15 1/2 Avenida Santa Isabel, Colon, Republic of Panama.	Preparing triazopentadiene.
72	142005	07-08-1975	CIBA GEIGY OF INDIA LTD., Goregaon, Bombay, India.	Manufacture of styryl dyestuffs.
73	142032	11-02-1974	C.S.I.R., New Delhi, India.	Production of hot reducing gases for the reduction of oxide ore or iron to sponge iron.
74	142042	08-08-1975	Do. Do. Do.	Pharmaceutical grade polyose from tamarindus indica seeds.
75	142068	29-05-1974	CHEMIE LINZ A.G., Linz Austria.	Process for the performance of High Pressure synthesis.
76	142075	25-02-1976	JHARA CHEMICAL KOGYO K.K., 1, Kyobashi, 2-Chome Chuo-ku, Tokyo, Japan.	Preparing O. O-dialkyl-5-benzylthio phosphates.
77	142077	14-12-1977	KUREHA KAGAKU KOGYO, 8-Horidone-cho-1, Chome Nihonbashi, Tokyo, Japan.	Preparation of antitumor organic substance.
78	142102	02-08-1975	CIBA GEIGY OF INDIA LIMITED, Aarey Road, Goregaon East, Bombay-63, Maharashtra, India.	Preparation of azo cycloalkane compounds.
79	142111	29-03-1974	ELKEM-SPIGERVERKET A.S. Elkemhuset Middlehunsgate	Burned Pellets from Chromium ore or concentrate.
80	142159	14-08-1974	SIEMENS A.G. Berlin & Munich West Germany	Cross linkable compositions.

1	2	3	4	5
81	142161	20-11-1974	METALLGESELLSCHAFT Frankfurt Reuterweg F.R.G.	Producing methanol.
82	142167	03-10-1975	AMERICAN CYANAMID CO., Wayne, New Jersey, U.S.A.	Manufacture of 1, 2-Dimethyl 3, 5-Diphenyl Pyrazolium methylsulfate.
83	142174	15-05-1974	GENERAL ELECTRIC CO. New York, U.S.A.	Halogenating Thermoplastic polyolefins.
84	142176	10-01-1975	FISONS LTD., Fision House 9, Grossvenor Street, London, England.	Ammonium phosphate.
85	142178	24-03-1975	ISHIHARA SANGYO KAISHA LTD., 11/1, Edobori 1-Chome Nishi-Ku, Osaka, Japan.	Titanium tetrachloride.
86	142181	20-03-1974	GENERAL ELECTRIC CO. I New York, U.S.A.	Abrasive cubic boron nitride material.
87	142190	29-01-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V. CAREL Bylandstraat 30, The Hague The Netherlands.	Gas containing hydrogen and carbon monoxide.
88	142196	02-01-1976	ELI LILLY CO. City of Indiana Polis, U.S.A.	S-Triazole (5-1-B) benzothiazoles.
89	142203	15-04-1974	UNIVERSAL OIL PRODUCTS INC 10UOP-Plaza, Algonquin, Desplaines Illinois, U.S.A.	Catalytic hydrodesulphurization of asphaltene containing carbonaceous charge stock
90	142204	29-07-1974	DEUTSCHE GOLD AND SILVER SCHEIDEANSTADT, Vormals Rosser of Frankfurt/Main, Weissfranenstrasse, F.R.G.	Catalyst for the oxidation of ammonia.
91	142218	31-05-1973	PFIZER INC. New York, U.S.A.	Amidoalkylphosphonium bromide.
92	142223	09-05-1974	INTERNATIONAL NICKEL LTD., Thames House, Millbank London, England.	Process for preparing alloy.
93	142231	24-04-1974	Dr. C. OTTO AND COMP. GmbH, Christstrasse, 9, Postfach 1849/1850, 463 Bochum, West Germany.	Treating gas emitted from coke ovens.
94	142233	06-09-1975	C.S.I.R., New Delhi, India.	Producing benzylamine hydrochloride from benzonitrile.
95	142236	22-08-1974	IMITSUBISHI RAYON CO. LTD., No 3-19, Kyobashi, 2-Chome, Chuo-Ku, Tokyo, Japan.	Impact resistant thermoplastic graft copolymers.
96	142240	07-10-1974	THE BOARD OF THE RUBBER RESEARCH INSTITUTE OF MALAYA, 260, Jalan Ampang, P.B. 150, Kuala Lumpur, Malaysia.	Treatment of rubber.
97	142251	02-04-1975	SIR JAMES FARMER NORTON AND CO. LTD., Adelphi Iron Works, Salford, Manchester, Lancashire, England.	liquid treatment of fabrics.
98	142252	22-07-1975	GENERAL ELECTRIC CO. NEW YORK, U.S.A.	Oriented silicon iron sheet material with Boron addition.
99	142254	10-10-1975	AMERICAN HOME PRODUCTS CORPN., 685, Third Avenue, New York, U.S.A.	Decapeptide preparation.
100	142260	17-12-1976	SOMNATH ROY, 229, B.N. Road, Calcutta, State of W.B. (India)	Withering green tea leaves.
101	142264	27-04-1976	FIBREGLASS LTD., Prescot road, St. Helens, Lancashire, England.	Glass fibres.
102	142275	22-09-1975	NUCHEM PLASTICS LTD., Faridabad, Haryana, India.	Urea from aldehyde resins.

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103	142276	12-11-1974	NIPPON SODA CO. LTD., 2-1, Otemachi, 2-Chome, Chiyoda-ku, Tokyo, Japan.	Calcium hypochlorite.
104	142278	20-02-1976	ELI LILLY CO., Indianapolis, U.S.A.	Preparation of 2- <i>tert</i> - <i>butyl</i> -2, 6-dinitro anilines
105	142286	10-09-1975	Do.	Preparation of novel 1-(substituted benzoyl) 3, (substituted Prazinyl) urea.
106	142288	04-04-1974	C.S.I.R., New Delhi, India.	Preparing Tri-N-butylphosphate from N-butyl alcohol, phosphorous oxychloride aluminium melt foils and Iodine as catalyst.
107	142289	10-04-1974	SUN OIL CO., 1608 Walnut Street, Philadelphia Pennsylvania, U.S.A.	Reducing the concentration of dissolved alkaline metal in aqueous H_2S .
108	142291	04-06-1974	THE BOARD OF THE RUBBER RESEARCH INSTITUTE OF MALAYSIA, Kuala Lumpur, Malaysia.	Treatment of Natural rubber.
109	142307	08-10-1975	NUCHEM PLASTICS LTD., Faridabad, Haryana, India.	Concentration of urea formaldehyde resins.
110	142311	08-11-1974	HOECHST A.G., Frankfurt/Main, F.R.G.	Drying synthetic fibrous materials.
111	142314	29-01-1975	C.S.I.R., New Delhi, India.	Electrolytic reduction of 2,4-Dinitrotoluene to 2,4-diaminotoluene.
112	142321	20-08-1975	PFIZER INC., New York, U.S.A.	Preparing 6-(N-protectedamino)-2, dimethyl-3 (5-tetrazolyl) Penam Compounds.
113	142323	20-08-1975	Do.	Preparing 3-cyanopenams.
114	142326	05-12-1974	THE LUBRIZOL CORPN., Cleveland, Ohio, U.S.A.	Phosphorous nitrogen and sulphur containing lubricant additives.
115	142330	19-06-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands.	Gasification of oil.
116	142337	12-08-1976	ELI LILLY CO. Indianapolis, U.S.A.	Preparing 4-nitro-2-trifluoromethyl diphenyl amines.
117	142347	30-09-1974	EDWARD KOPPELMAN, 424, Bergano Drive, Encino, California, U.S.A.	Apparatus for seasoning wood.
118	142348	08-01-1976	C.S.I.R. New Delhi, India.	Extraction of gallium from sodium aluminate liquors obtained from plants.
119	142357	18-06-1975	DIRECTOR, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, Ansari Nagar, New Delhi, India.	Thermostabilized analgesia, inhaler.
120	142358	25-08-1975	MOMOFUKU ANDO, 7-34, Masumi-cho, Ikeda Osaka, Japan.	Producing instant cooking rice.
121	142360	30-09-1975	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England.	Producing biologically degradable material.
122	142366	11-03-1975	WILHELM HEGLER, Goethestrasse, 873, Bad Kissinger F.R.G.	Producing double walled plastic tubes.
123	142374	11-11-1974	D.R.C. OTTO & COMP. GMBH, Christrasse 9 Postfach 1849/1850, 463, Bochum, West Germany.	Removing ammonia from gases.
124	142380	31-03-1976	IMPERIAL CHEMICAL INDUSTRIES LTD., Mill Bank, London, England.	Solid liquid separating apparatus.

1	2	3	4	5
125	142381	12-05-1975	BAYER AKTIENGESELLSCHAFT, Lever Kusen, F.R.G.	Preparing 1-[2-(B-Naphthyoxy)-Ethyl] 3-methyl pyrozolone (5).
126	142382	12-05-1975	Do.	Do.
127	142383	18-06-1976	METALLGESELLSCHAFT, Reuterweg, 14, F.R.G.	Reactor for pressure gasification of coal.
128	142394	24-04-1974	DR. C. OTTO AND COMP. gmbh, Bochum, West Germany.	Removing ammonia from gases.
129	142396	27-08-1974	CINCINNATI MILACRON CHEMICAL INC., Ohio, U.S.A.	Stabilised halogen containing polymers.
130	142399	20-09-1974	BAYER A.G., Leverkusen, West Germany	Preparing azocompounds.
131	142415	04-12-1974	HINDUSTAN LEVER LIMITED, Bombay, India.	Preparing hard butter.
132	142417	24-04-1974	DR. C. OTTO AND COMP. GMBH, Bochum, West Germany.	Removing ammonia from gases.
133	142428	19-05-1975	SCHERING A.G., 170-180, Muellerstrasse, 1 Berlin 65, F.R.G.	Manufacture of Medicinal Preparation.
134	142433	10-12-1970	EXWARD KOPPELMAN, California, U.S.A.	Upgrading Lignite-Type Coal.
135	142436	31-03-1975	SOLVAY AND CIE, 33 rue du Prince Albert, B-1050, Brussels, Belgium.	Manufacture of salts of organic and inorganic bases and polyalphahydroxy acrylic acid.
136	142437	27-05-1975	DEGUSSA, Frankfurt (Main), F.R.G.	Manufacturing 3-6-bis-(2 methylmercapto ethyl) 2-5 Piperadindione.
137	142438	03-06-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. B. V., The House, The Netherlands.	Transferring fine solid material into different pressurechambers.
138	142439	23-10-1975	MITSUI TOATSU CHEMICALS INC., 2-5, Kasumigaseki 3-Chome, Chiyoda-Ku, Tokyo, Japan.	Recovering ammonia and carbon dioxide from concentrated aqueous urea solution.
139	142463	23-05-1974	VULCAN MATERIALS CO., 1 Office Park, Birmingham, albana, New York, U.S.A.	Catalyst for oxychlorination.
140	142466	13-08-1974	SOLVAY AND CIE, Brussels, Belgium.	Catalytic low pressure polymerization Polefins.
141	142467	24-09-1974	SUN VENTURES INC., 100, Matsonford Road, Rodner, Pennsylvania, U.S.A.	Catalytic ammonoxidation process.
142	142468	24-09-1974	Do.	Ammonoxidation process for nitriles from m and P-xylene.
143	142473	05-06-1975	SNAMPROGETTI S. p.A., 16 Corso-Venzia, Milan, Italy.	Process for producing urea.
144	142482	18-07-1974	CESKOSLOVENSKA AKADEMIE Ved, Preha, Czechoslovakia.	Preparation of emulsions, concentrated disperns and pastes.
145	142483	23-09-1974	C.S.I.R., Rafi Marg, New Delhi, India.	Recovery of Calcium from copper refinery slims.
146	142485	02-11-1974	INCO EUROPE LTD., Thames House, Mill Bank, London, SW1P@ 4QF, England.	Process for electrodepositing metal onto a surface containing an organic polymer.

RENEWAL FEES PAID

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 99328 99329 99426 99844 99851 100347 104318 104650
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 110813 110815 110821 110825 115351 115401 115412 115418
 115439 115530 115780 116088 116095 116111 116145 117003
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 137974 138151 138483 138759 138910 138918 138928 138992
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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 119273 granted to Eric Schwarz for an invention relating to "apparatus for the automatic determination of fiber length distribution of a fiber population". The patent ceased on the 3rd January, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 17th February, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th July 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 124737 granted to Solvay & Cie, for an invention

relating to "Process and Catalysts for the Polymerisation and Copolymerisation of olefins".

The patent ceased on the 12th February, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 3rd February, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th July 1980. Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 136888 granted to Velsical Chemical Corporation for an invention relating to "fire retardant Compositions". The Patent ceased on the 31st January, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 27th January, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th July 1980. Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 148431. Hasman Industries, Kamruddin Industrial Estate, Safaid Pool, Kurla Andheri Road, Bombay-400072, Maharashtra State, an Indian Property Firm. "Petrol Cock with Lock". May 7, 1979.

Class 1. No. 148630. Indian Oil Corporation Limited of 254-C, Dr. Annie Besant Road, Prabhadevi, Bombay-400025, Maharashtra, India. "Burner for L.P. Gas stove". July 12, 1979.

Class 1. No. 148631. Indian Oil Corporation Limited of 254C, Dr. Annie Besant Road, Prabhadevi, Bombay-400025, Maharashtra, India. "Burner with Knob for L.P. Gas stove". July 12, 1979.

Class 1. No. 148632. Indian Oil Corporation Limited of 254C, Dr. Annie Besant Road, Prabhadevi, Bombay-400025, Maharashtra, India. "L.P. Gas stove". July 12, 1979.

Class 3. No. 148303. Malbro Industries, 1816, Chandni Chowk, Delhi-6, an Indian Partnership Concern. "Cigarette Dispenser". April 16, 1979.

Class 3. No. 148353. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 3. No. 148354. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 3. No. 148355. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match Boxes". April 23, 1979.

Class 3. No. 148356. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 3. No. 148359. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 3. No. 148361. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 3. No. 148402. M/s. Daylight Plastics Industries, 45, Survodaya Mills Compound, Tardeo Road, Behind Bombay Textile Mills, Bombay-34 (Maharashtra State), an Indian partnership concern. "Louver" May 2, 1979.

Class 3. No. 148403. M/s. Finex Electricals Bk, No. 570, O.T. Section, Ulhasnagar 2 (Maharashtra State) an Indian Proprietary Concern. "Electric Gas Lighter". May 2, 1979.

Class 3. No. 148444. Frederick Michael D'Souza, an Indian National of Frederick House 3-Y.M.C.A., Road, Bombay-400008, State of Maharashtra, India. "Cap for the bottle". May 11, 1979.

Class 4. No. 148391. Trescho Incorporation of 288/90, Nagdevi Street, 1st floor, Room No. 12-A, Bombay-400003, State of Maharashtra, India, a partnership firm. "Container". April 30, 1979.

Class 5. No. 148363. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148364. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148365. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148366. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148367. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148368. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148369. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148370. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

Class 5. No. 148371. Wimco Limited of Indian Mercantile Chambers, Ramjibhai Kamani Marg, Ballard Estate, Bombay-400038, State of Maharashtra, India. "Match boxes". April 23, 1979.

S. VEDARAMAN
Controller General of Patents, Designs
and Trade Marks.